INTERNATIONAL SEARCH REPORT

Internation No PCT/EP2004/010868

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D35/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC } 7 & \mbox{B01D} & \mbox{F16K} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 607 582 A (YAMAZAKI KAZUHIKO ET AL) 4 March 1997 (1997-03-04) column 1, line 6 - line 10 column 6, line 40 - column 7, line 9 figures	1-10
X	US 6 579 455 B1 (MUZIK TOM ET AL) 17 June 2003 (2003-06-17) column 8, line 11 - line 33 figures 1,9-12	1-10
Α	US 2 354 238 A (WILKINSON JAMES W) 25 July 1944 (1944-07-25) figure 2	1
A	EP 0 492 627 A (KANEBO LTD) 1 July 1992 (1992-07-01) figures 4,5	1,5,6

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but taler than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 1 December 2004	Date of mailing of the international search report $08/12/2004$
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Hilt, D

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.							
A	DE 199 17 031 C (HYDAC FILTERTECHNIK GMBH) 4 May 2000 (2000-05-04) the whole document	1							
		·							
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INTERNATIONAL SEARCH REPORT

information on patent family members

Interracinal Application No
PCT/EP2004/010868

	ent document In search report		Publication date		Patent family member(s)		ication ate
US !	5607582	Α	04-03-1997	JP JP	3320176 B2 7155513 A		09-2002 06-1995
US	6579455	B1	17-06-2003	AU AU BR CA EP JP TW WO	770603 B2 7357000 A 0014174 A 2384497 A1 1218081 A1 2003508208 T 505533 B 0117654 A1	10- 30- 15- 03- 04- 11-	02-2004 04-2001 07-2002 03-2001 07-2002 03-2003 10-2002 03-2001
US 2	2354238	A	25-07-1944	NONE			
EP (0492627	A	01-07-1992	JP DE DE EP KR US	4225806 A 69120045 D1 69120045 T2 0492627 A2 9707645 B1 5256285 A	11- 2 06- 3 01- 15-	08-1992 07-1996 02-1997 07-1992 05-1997 10-1993
DE :	19917031	С	04-05-2000	DE AT DE WO EP ES	19917031 C1 246952 T 50003268 D1 0062898 A1 1169105 A1 2204505 T3	15- 18- 26- 09-	05-2000 08-2003 09-2003 10-2000 01-2002 05-2004